

# 1st SEARCH

| L Number | Hits | Search Text                                                                                                                                                                                                                                                                                                                                    | DB                             | Time stamp          |
|----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|
| -        | 2    | WO-9726753-\$.did.                                                                                                                                                                                                                                                                                                                             | USPAT;<br>EPO; JPO;<br>DERWENT | 2004/09/10<br>11:06 |
| -        | 2    | WO-9728628-\$.did.                                                                                                                                                                                                                                                                                                                             | USPAT;<br>EPO; JPO;<br>DERWENT | 2004/09/10<br>12:16 |
| -        | 2536 | 370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.                                                                                                                                                                                                                                                                     | USPAT                          | 2004/09/10<br>12:16 |
| -        | 689  | (370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and dtmf                                                                                                                                                                                                                                                       | USPAT                          | 2004/09/10<br>12:17 |
| -        | 743  | (370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))                                                                                                                                                                                                                               | USPAT                          | 2004/09/10<br>12:17 |
| -        | 332  | ((370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone near3 detect\$4)                                                                                                                                                                                               | USPAT                          | 2004/09/10<br>12:51 |
| -        | 341  | ((370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone near3 (detect\$4 or test\$3))                                                                                                                                                                                  | USPAT                          | 2004/09/10<br>12:51 |
| -        | 362  | ((370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))                                                                                                                                                                               | USPAT                          | 2004/09/10<br>12:52 |
| -        | 81   | ((370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)                                                                                                                                          | USPAT                          | 2004/09/10<br>12:52 |
| -        | 69   | ((370/522,525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter                                                                                                                             | USPAT                          | 2004/09/10<br>12:53 |
| -        | 70   | of (bandpass\$3) 525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter\$1                                                                                                                   | USPAT                          | 2004/09/10<br>12:53 |
| -        | 69   | of (bandpass\$3) 525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter\$1<br>or bandpass)) and (digit\$3 or sampl\$3 or                                                                     | USPAT                          | 2004/09/10<br>12:54 |
| -        | 51   | downsample\$3) 525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter\$1<br>or bandpass)) and (sampl\$3 or                                                                                   | USPAT                          | 2004/09/10<br>12:54 |
| -        | 50   | downsample\$3) 525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter\$1<br>or bandpass)) and (sampl\$3 or<br>downsample\$3)) and (power or energy or                                        | USPAT                          | 2004/09/10<br>12:55 |
| -        | 1    | amplitude\$3) 525,526,496.ccls.<br>379/31,77,88.24,93.18,93.26,283,361,386.ccls.)<br>and (dtmf or (dual adj tone\$1))) and<br>(tone\$1 near3 (detect\$4 or test\$3))) and<br>(frequenc\$3 near2 range\$1)) and (filter\$1<br>or bandpass)) and (sampl\$3 or<br>downsample\$3)) and (power or energy or<br>amplitude)) and (complex adj signal) | USPAT                          | 2004/09/10<br>12:55 |



|   |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                     |
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| - | 15 | ((US-6480589-\$ or US-6393124-\$ or<br>US-6229889-\$ or US-6370244-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5416836-\$ or US-5442694-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5535271-\$ or<br>US-5694517-\$ or US-5119322-\$ or<br>US-5353346-\$ or US-6233226-\$ or<br>US-6259677-\$ or US-6141341-\$ or<br>US-6151636-\$ or US-6125177-\$ or<br>US-5471470-\$ or US-6028679-\$ or<br>US-6023470-\$ or US-5987061-\$).did. or<br>(US-5970441-\$ or US-5852630-\$ or<br>US-5859671-\$ or US-5790641-\$ or<br>US-5793498-\$ or US-5764627-\$ or<br>US-5600649-\$ or US-5598468-\$ or<br>US-5577041-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5329587-\$ or US-5339384-\$ or<br>US-4285060-\$ or US-4617676-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and (frequenc\$3<br>adj2 range\$1) | USPAT | 2004/09/15<br>11:17 |
| - | 2  | ((US-6480589-\$ or US-6393124-\$ or<br>US-6229889-\$ or US-6370244-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5416836-\$ or US-5442694-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5535271-\$ or<br>US-5694517-\$ or US-5119322-\$ or<br>US-5353346-\$ or US-6233226-\$ or<br>US-6259677-\$ or US-6141341-\$ or<br>US-6151636-\$ or US-6125177-\$ or<br>US-5471470-\$ or US-6028679-\$ or<br>US-6023470-\$ or US-5987061-\$).did. or<br>(US-5970441-\$ or US-5852630-\$ or<br>US-5859671-\$ or US-5790641-\$ or<br>US-5793498-\$ or US-5764627-\$ or<br>US-5600649-\$ or US-5598468-\$ or<br>US-5577041-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5329587-\$ or US-5339384-\$ or<br>US-4285060-\$ or US-4617676-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and (complex<br>near2 signal\$1)   | USPAT | 2004/09/15<br>11:20 |
| - | 3  | ((US-6480589-\$ or US-6393124-\$ or<br>US-6229889-\$ or US-6370244-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5416836-\$ or US-5442694-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5535271-\$ or<br>US-5694517-\$ or US-5119322-\$ or<br>US-5353346-\$ or US-6233226-\$ or<br>US-6259677-\$ or US-6141341-\$ or<br>US-6151636-\$ or US-6125177-\$ or<br>US-5471470-\$ or US-6028679-\$ or<br>US-6023470-\$ or US-5987061-\$).did. or<br>(US-5970441-\$ or US-5852630-\$ or<br>US-5859671-\$ or US-5790641-\$ or<br>US-5793498-\$ or US-5764627-\$ or<br>US-5600649-\$ or US-5598468-\$ or<br>US-5577041-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5329587-\$ or US-5339384-\$ or<br>US-4285060-\$ or US-4617676-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and (downsampl\$3)                 | USPAT | 2004/09/15<br>11:20 |

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| - | 45 | (US-6480589-\$ or US-6393124-\$ or<br>US-6229889-\$ or US-6370244-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5416836-\$ or US-5442694-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5535271-\$ or<br>US-5694517-\$ or US-5119322-\$ or<br>US-5353346-\$ or US-6233226-\$ or<br>US-6259677-\$ or US-6141341-\$ or<br>US-6151636-\$ or US-6125177-\$ or<br>US-5471470-\$ or US-6028679-\$ or<br>US-6023470-\$ or US-5987061-\$).did. or<br>(US-5970441-\$ or US-5852630-\$ or<br>US-5859671-\$ or US-5790641-\$ or<br>US-5793498-\$ or US-5764627-\$ or<br>US-5600649-\$ or US-5598468-\$ or<br>US-5577041-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5329587-\$ or US-5339384-\$ or<br>US-4285060-\$ or US-4617676-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.                                 | USPAT;<br>EPO;<br>DERWENT | 2004/09/15<br>13:53 |
| - | 6  | ((US-6480589-\$ or US-6393124-\$ or<br>US-6229889-\$ or US-6370244-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5416836-\$ or US-5442694-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5535271-\$ or<br>US-5694517-\$ or US-5119322-\$ or<br>US-5353346-\$ or US-6233226-\$ or<br>US-6259677-\$ or US-6141341-\$ or<br>US-6151636-\$ or US-6125177-\$ or<br>US-5471470-\$ or US-6028679-\$ or<br>US-6023470-\$ or US-5987061-\$).did. or<br>(US-5970441-\$ or US-5852630-\$ or<br>US-5859671-\$ or US-5790641-\$ or<br>US-5793498-\$ or US-5764627-\$ or<br>US-5600649-\$ or US-5598468-\$ or<br>US-5577041-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5329587-\$ or US-5339384-\$ or<br>US-4285060-\$ or US-4617676-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and (state adj<br>machine\$1) | USPAT                     | 2004/09/15<br>13:53 |
| - | 54 | (frequenc\$3 near3 (detect\$3 or<br>determin\$3)) with (complex adj signal\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | USPAT                     | 2004/09/16<br>07:51 |
| - | 45 | (US-6480589-\$ or US-6393124-\$ or<br>US-6370244-\$ or US-6229889-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5442694-\$ or US-5416836-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5694517-\$ or<br>US-5535271-\$ or US-5353346-\$ or<br>US-5119322-\$ or US-6259677-\$ or<br>US-6233226-\$ or US-6151636-\$ or<br>US-6141341-\$ or US-6125177-\$ or<br>US-6028679-\$ or US-6023470-\$ or<br>US-5987061-\$ or US-5970441-\$).did. or<br>(US-5859671-\$ or US-5852630-\$ or<br>US-5793498-\$ or US-5790641-\$ or<br>US-5764627-\$ or US-5600649-\$ or<br>US-5598468-\$ or US-5577041-\$ or<br>US-5471470-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5339384-\$ or US-5329587-\$ or<br>US-4617676-\$ or US-4285060-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.                                 | USPAT;<br>EPO;<br>DERWENT | 2004/09/16<br>08:10 |

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| - | 13  | ((US-6480589-\$ or US-6393124-\$ or<br>US-6370244-\$ or US-6229889-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5442694-\$ or US-5416836-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5694517-\$ or<br>US-5535271-\$ or US-5353346-\$ or<br>US-5119322-\$ or US-6259677-\$ or<br>US-6233226-\$ or US-6151636-\$ or<br>US-6141341-\$ or US-6125177-\$ or<br>US-6028679-\$ or US-6023470-\$ or<br>US-5987061-\$ or US-5970441-\$).did. or<br>(US-5859671-\$ or US-5852630-\$ or<br>US-5793498-\$ or US-5790641-\$ or<br>US-5764627-\$ or US-5600649-\$ or<br>US-5598468-\$ or US-5577041-\$ or<br>US-5471470-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5339384-\$ or US-5329587-\$ or<br>US-4617676-\$ or US-4285060-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and (fourier)                                             | USPAT                     | 2004/09/16<br>08:10 |
| - | 45  | (US-6480589-\$ or US-6393124-\$ or<br>US-6370244-\$ or US-6229889-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5442694-\$ or US-5416836-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5694517-\$ or<br>US-5535271-\$ or US-5353346-\$ or<br>US-5119322-\$ or US-6259677-\$ or<br>US-6233226-\$ or US-6151636-\$ or<br>US-6141341-\$ or US-6125177-\$ or<br>US-6028679-\$ or US-6023470-\$ or<br>US-5987061-\$ or US-5970441-\$).did. or<br>(US-5859671-\$ or US-5852630-\$ or<br>US-5793498-\$ or US-5790641-\$ or<br>US-5764627-\$ or US-5600649-\$ or<br>US-5598468-\$ or US-5577041-\$ or<br>US-5471470-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5339384-\$ or US-5329587-\$ or<br>US-4617676-\$ or US-4285060-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.                                                             | USPAT;<br>EPO;<br>DERWENT | 2004/09/16<br>09:38 |
| - | 2   | ((US-6480589-\$ or US-6393124-\$ or<br>US-6370244-\$ or US-6229889-\$ or<br>US-5949874-\$ or US-5583933-\$ or<br>US-5519774-\$ or US-5442696-\$ or<br>US-5442694-\$ or US-5416836-\$ or<br>US-5333191-\$ or US-4689760-\$ or<br>US-5818929-\$ or US-5694517-\$ or<br>US-5535271-\$ or US-5353346-\$ or<br>US-5119322-\$ or US-6259677-\$ or<br>US-6233226-\$ or US-6151636-\$ or<br>US-6141341-\$ or US-6125177-\$ or<br>US-6028679-\$ or US-6023470-\$ or<br>US-5987061-\$ or US-5970441-\$).did. or<br>(US-5859671-\$ or US-5852630-\$ or<br>US-5793498-\$ or US-5790641-\$ or<br>US-5764627-\$ or US-5600649-\$ or<br>US-5598468-\$ or US-5577041-\$ or<br>US-5471470-\$ or US-5454015-\$ or<br>US-5452289-\$ or US-5388127-\$ or<br>US-5339384-\$ or US-5329587-\$ or<br>US-4617676-\$ or US-4285060-\$ or<br>US-5491565-\$).did. or (WO-9726753-\$).did.<br>or (WO-9728628-\$).did.) and ((bypass\$3 or<br>skip\$3 or ignor\$3) near3 tone\$1) | USPAT                     | 2004/09/16<br>09:45 |
| - | 128 | dtmf and ((bypass\$3 or skip\$3 or ignor\$3)<br>near3 tone\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                     | 2004/09/16<br>09:46 |

|   |    |                                                                                            |       |                     |
|---|----|--------------------------------------------------------------------------------------------|-------|---------------------|
| - | 5  | dtmf and ((invalid or "not detect") with (bypass\$3 or skip\$3 or ignor\$3) near3 tone\$1) | USPAT | 2004/09/16<br>09:47 |
| - | 6  | ((invalid or ("not" adj detect\$3)) with (bypass\$3 or skip\$3 or ignor\$3) near3 tone\$1) | USPAT | 2004/09/16<br>09:52 |
| - | 6  | ((invalid or (un adj detect\$3)) with (bypass\$3 or skip\$3 or ignor\$3) near3 tone\$1)    | USPAT | 2004/09/16<br>09:52 |
| - | 0  | ((undetected\$3) with (bypass\$3 or skip\$3 or ignor\$3) near3 tone\$1)                    | USPAT | 2004/09/16<br>09:52 |
| - | 30 | (search\$3 near3 tone\$1) and dtmf                                                         | USPAT | 2004/09/16<br>09:56 |